2 ISOLATED OUTPUTS CONVERTER

■ FEATURE

- 2&3 Isolated output
- Actualization of high accuracy
- Free voltage power (AC85~264V) / DC24V
- 3outputs High speed function (DWHI:1msec)



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2 OUTPUT SIGNAL ISOLATOR & POWER DISTRIBUTOR

2出力 信號絶緣 變換器 & 傳送器用 電源



This instrument is a high accurate converter that provides simultaneously all transmitters such as pressure transmitter, flow transmitter, and level transmitter with power supply and signal conversion.

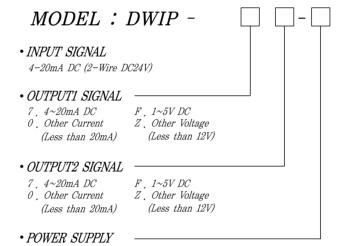
Also, It is isolated two outputs and contains overcurrent and overvoltage protection circuit inside.

It is especially advantageous to use both isolator and power distributor that changes wiring jumper.

SPECIFICATIONS

ITEMS	DESCRIPTIONS	S		
OUTPUT RATING SUPPLY TO X'TR	DC 24V 30mA Max, Riffle: less than 0,1Vp-p			
OUTPUT	DC Current or DC Voltage signal			
ACCURACY	±0.1% Max.	±0.1% Max.		
TEMP. COEFFICIENT	±0.015% / °C			
RESPONSE TIME	Less than 0.5Sec (0~90%)			
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V			
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V Input1 - Output2 AC 1,000V	1 Minute		
	AC 85 ~ 264V, 50 ~ 60Hz			
POWER SUPPLY	ISOLATOR: 5VA	DC 24V 100mA		
	POWER DISTRIBUTOR: 7VA	DC 24V 130mA		
AMBIENT - TEMP	-5 ~ +55 ℃ (23 ~ 131 °F)			
HUMIDITY	Less than 90% RH (no condenstation)			
CASE MATERIAL	ABS			
COLOR	Black			
WEIGHT	About 200g			
DIMENSION	W50 X H80 X D137mm			
MOUNTING	DIN RAIL			

ORDERING CODE

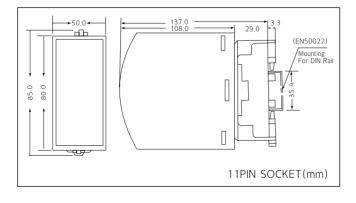


2 . DC 24V

■ OUTPUT LOAD RESISTANCE

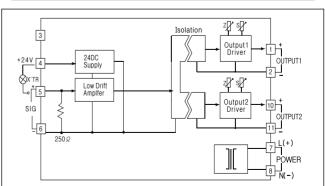
OUTPUT SIGNAL	LOAD RESISTANCE	
DC 4~20mA	Less than 6000	
DC 1~5V DC 0~10V	More than 2,5KΩ More than 5KΩ	

DIMENSION



BLOCK DIAGRAM

1 . AC 85V~264V



2 ISOLATED OUTPUT R.T.D CONVERTER 2出力 測溫抵抗體 變換器



This instrument is a high accurate converter that has RTD as an input signal and converts variation of resistance according to the temperature into DC output signal.

Also, it actualizes high and accurate linearization and compen -sation of line resistance.

It is especially advantageous to construct loop because input and output are separated completely and isolated between two outputs.

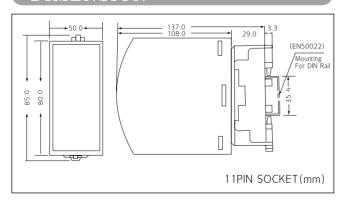
SPECIFICATIONS

ITEMS	DESCRIPTIONS		
INPUT	Pt 100Q 3-Wire (Over 50deg) Adjustment needed for 2wire Bulb Permissible resistance of cable less than 10Q		
SUPPLY CURRENT TO Pt BULB	DC 2mA		
BURN - OUT	Upper Limit		
OUTPUT	DC Current or DC Voltage signal		
ACCURACY	±0,2% Max.		
TEMP, COEFFICIENT	±0.02% / °C		
RESPONSE TIME	Less than 0.5Sec (0~90%)		
INSULATION RESISTANCE	Greater than 100MQ at DC 500V		
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V I Minute Input1 - Output2 AC 1,000V		
POWER SUPPLY	AC 85~264V, 50~60Hz, 6VA DC 24V ± 10%, 120mA		
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)		
HUMIDITY	Less than 90% RH (no condenstation)		
CASE MATERIAL	ABS		
COLOR	Black		
WEIGHT	About 200g		
DIMENSION	W50 X H80 X D137mm		
MOUNTING	DIN RAIL		

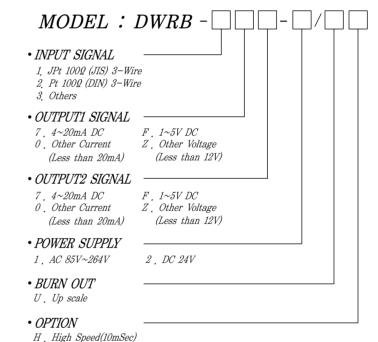
■ STANDARD INPUT RANGE

■ STANDARD I	NPUT RANGE (UNIT : °C)		
INPUT RANGE			
Pt 100Ω	0~50, 0~100, 0~150, 0~200, 0~250, 0~300, 0~400 0~500, -20 ~ +80, -50 ~ +50, -50 ~ +150, 50~100 50~150, 100~200, 100~300, 200~400		

DIMENSION

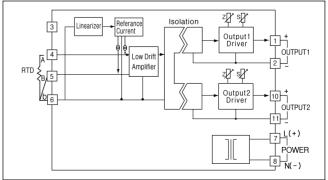


ORDERING CODE



■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Q
DC 1~5V DC 0~10V	More than 2,5K Ω More than 5K Ω



2 OUTPUT THERMOCOUPLE CONVERTER 2出力 熱電對 變換器



This instrument is a high accurate converter that has various T/C as an input, then coverts it into DC signal through temperature compensation and linear circuit as receiving a signal corresponding to temperature.

It is especially advantageous to construct loop because input and output are separated completely and isolated between two outputs.

SPECIFICATIONS

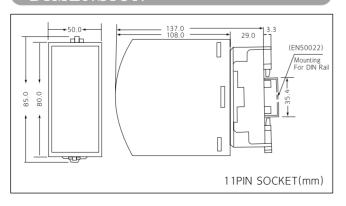
ITEMS	DESCRIPTIONS		
INPUT	Themocouple (K, J, T, E, B, R, S)		
BURN - OUT	Upper Limit		
OUTPUT	DC Current or DC Voltage signal		
ACCURACY	±0.3% Max.		
TEMP, COEFFICIENT	±0.02% / °C		
RESPONSE TIME	Less than 0,5Sec (0~90%)		
INSULATION RESISTANCE	Greater than 100MQ at DC 500V		
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V Input1 - Output2 AC		
POWER SUPPLY	AC 85 ~ 264V, 50~60Hz 6VA DC 24V ± 10%, 120mA		
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131°F)		
HUMIDITY	Less than 90% RH (no condenstation)		
CASE MATERIAL	ABS		
COLOR	Black		
WEIGHT	About 200g		
DIMENSION	W50 X H80 X D137mm		
MOUNTING	DIN RAIL		

■ STANDARD INPUT RANGE

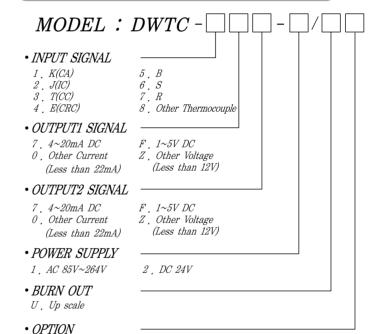
(UNIT : °C)

INPUT	RANGE
K	-50~+100, 0~300, 0~400, 0~500, 0~600 0~800, 0~1000, 0~1200
J	0~200, 0~300, 0~400, 0~800
T	-20~80, 0~100, 0~200
R	600~1600

DIMENSION



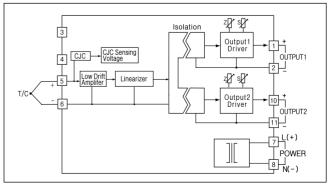
ORDERING CODE



■ OUTPUT LOAD RESISTANCE

H . High Speed(10mSec)

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V DC 0~10V	More than 2,5K Ω More than 5K Ω



2 OUTPUT POTENTIOMETER CONVERTER 2出力 可變抵抗 變換器



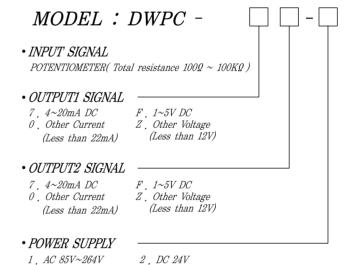
This instrument is a high and accurate converter that has resistance signal of 3 lines potentiometer ($100\Omega \sim 100 \text{k}\Omega$) as an input, then converts it into DC signals. it is widely used for float type water level detector etc, and has hardly mutual interference of zero and span.

It is especially advantageous to construct loop because input and output are separated completly and isolated between two outputs

SPECIFICATIONS

ITEMS	DESCR.	IPTIONS	5
INPUT	Potentiometer (from $100Q \sim 100KQ$)		
OUTPUT	DC Current or DC Voltage signal		
ACCURACY	±0.2% Max.		
TEMP, COEFFICIENT	±0.015% / °C		
RESPONSE TIME	Less than 0.5Sec (0~90%)		
INSULATION RESISTANCE	Greater than 100MQ at DC 500V		
		AC 1,000V	
DIELECTRIC - STRENGTH	Input - Output1 - Output2		1 Minute
	Input1 - Output2		
POWER SUPPLY	AC 85 ~ 264V, 50~60Hz	5VA	
	DC 24V ± 10% 110mA		
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131	<i>F)</i>	
HUMIDITY	Less than 90% RH (no condenstation)		
CASE MATERIAL	ABS		
COLOR	Black		
WEIGHT	About 200g		
DIMENSION	W50 X H80 X D137mm		
MOUNTING	DIN RAIL		

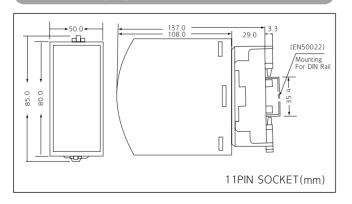
ORDERING CODE

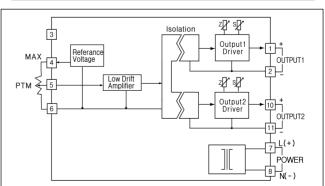


■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE	
DC 4~20mA	Less than 600Ω	
DC 1~5V	More than 2,5KΩ	
DC 0~10V	More than 5KΩ	

$\overline{DIMENSIO}N$





2 OUTPUT SIGNAL ISOLATOR 2出力 信號絶緣 變換器



This instrument has DC voltage and current as an input signal, then converts and outputs it under the condition that input and output are separated completely.

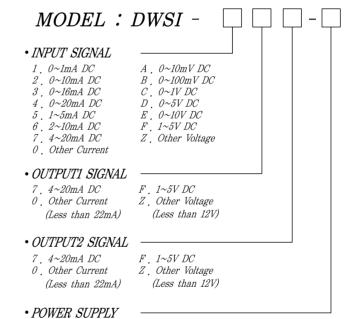
It is high and accurate converter that is suitable to protect a pulse noise and high peak voltage demanded in a computer interface and field instruments.

It is especially advantageous to construct loop because input and output are separated completly and isolated between two outputs.

SPECIFICATIONS

ITEMS	DESCRIPTIONS			
INPUT	DC Current or DC Voltage signal			
OUTPUT		DC Current or DC Voltage signal		
ACCURACY		±0.1% Max.		
TEMP. COEFFICIENT	±0.015% / °C			
RESPONSE TIME	Less than 0.5Sec (0~90%)			
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V			
		AC 1,000V		
DIELECTRIC - STRENGTH	Input - Output1 - Output2		1 Minute	
	Input1 – Output2	AC 1,000V		
POWER SUPPLY	AC 85 ~ 264V, 50~60Hz	5VA		
FOWER SUFFLI	DC 24V ± 10% 110mA			
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131	°F)		
HUMIDITY	Less than 90% RH (no	condenstatio	on)	
CASE MATERIAL	ABS			
COLOR	Black			
WEIGHT	About 200g			
DIMENSION	W50 X H80 X D137mm			
MOUNTING	DIN RAIL			

ORDERING CODE

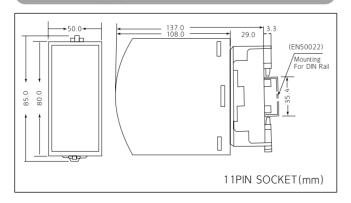


2 . DC 24V

■ OUTPUT LOAD RESISTANCE

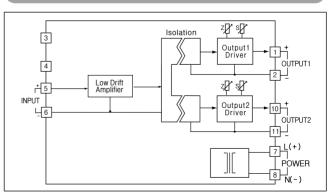
OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5K0

$\overline{DIMENSIO}N$



BLOCK DIAGRAM

1 . AC 85V~264V



2 OUTPUT REVERSE CONVERTER 2出力 逆信號 變換器

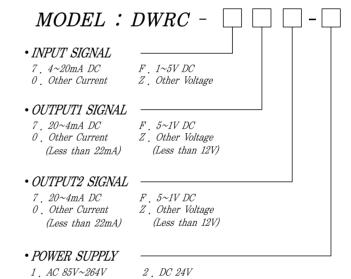


This instrument receives DC voltage and current as an input signal then reverse output signals of all instrument if the reverse is needed. It is especially advantageous to construct loop because input and output are separated completely and isolatde between two outputs. In the mounting method is DIN RAIL mounting.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	DC Current or DC Voltage signal
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.1% Max.
TEMP, COEFFICIENT	±0.015% / °C
RESPONSE TIME	Less than 0.5Sec (0~90%)
INSULATION RESISTANCE	Greater than 100M♀ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V Input1 - Output2 AC
POWER SUPPLY	AC 85 ~ 264V, 50~60Hz 5VA DC 24V ± 10% 110mA
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
CASE MATERIAL	ABS
COLOR	Black
WEIGHT	About 200g
DIMENSION	W50 X H80 X D137mm
MOUNTING	DIN RAIL

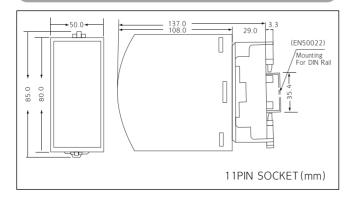
ORDERING CODE



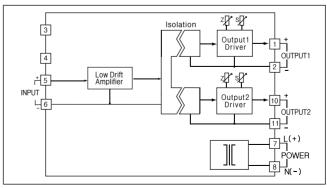
■ OUTPUT LOAD RESISTANCE

$OUTPUT\ SIGNAL\ \ \ \ L_{0}$	OAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

DIMENSION



$BLO\overline{CK\ DIAGRAM}$



2 OUTPUT STRAIN GAUGE CONVERTER 2出力 Strain gauge 變換器



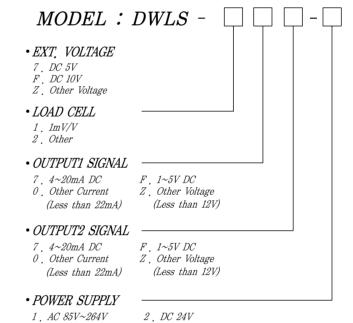
This instrument converts Load cell or strain gauge as an input signal into DC voltage or current. It actualizes a high and accurate performance that residual magnetic voltage selects constant voltage and amplifier circuit select low noise type.

It is especially advantageous to construct loop because input and output are separated completly and isolated between two outputs.

SPECIFICATIONS

ITEMS	DESCRIPTIONS	
LOAD CELL TO BE COMBINED	Bridge Resistance 3500 or more rated output Voltage 2mV/V and other	
APPLIED VOLTAGE	DC 10V(Standard)	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	±0.2% Max.	
TEMP, COEFFICIENT	±0.015% / °C	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V Input1 - Output2 AC	
POWER SUPPLY	AC 85 ~ 264V, 50~60Hz 7VA	
FOWER SUFFLI	DC 24V ± 10% 130mA	
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)	
HUMIDITY	Less than 90% RH (no condenstation)	
CASE MATERIAL	ABS	
COLOR	Black	
WEIGHT	About 200g	
DIMENSION	W50 X H80 X D137mm	
MOUNTING	DIN RAIL	

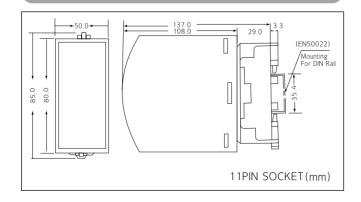
ORDERING CODE

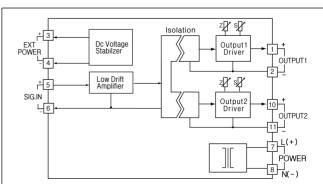


■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

DIMENSION





3 OUTPUT HIGH SPEED ISOLATOR 3 出力 高速 變換器



This instrument receives DC voltage and current as an input signal and provides conversion output when the input & output is separated completely. Especially an input, an output and power are isolate using a transformer and it is called "3 ways isolator". this instrument is a high speed response converter like computer interface.

It is especially advantageous to construct loop because input and output are separated completly and isolated between three outputs.

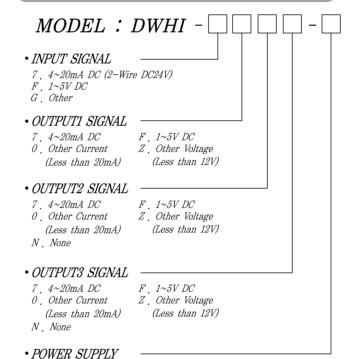
SPECIFICATIONS

ITEMS	DESCRIPT.	IONS
INPUT	DC Current or DC Voltage sig	gnal
OUTPUT	DC Voltage(1~5V) or DC Curi	rent(4~20mA)Signal
ACCURACY	±0.1% Max.	
TEMP. COEFFICIENT	±0.015% / °C	
RESPONSE TIME	Less than 1mSec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 50	00V
	Input - Power	AC 1,500V
DIELECTRIC - STRENGTH	Input - Output1, Output2, Output3	, I minute
	Input1 - Output2 - Output3	AC 1,500V
POWER SUPPLY	AC 100/220, 50/60Hz, 7VA	
AMBIENT - TEMP	-5 ~ +55°C (20 ~ 130 °F)	
HUMIDITY	Less than 90% RH (no cond	enstation)
CASE MATERIAL	ABS	
COLOR	Black	
WEIGHT	About 400g	
DIMENSION	W50 X H80 X D137mm	
MOUNTING	DIN RAIL	

■ OUTPUT LOAD RESISTANCE

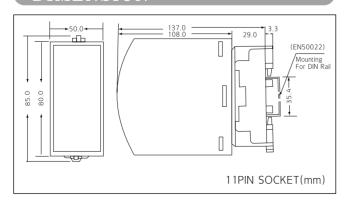
OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA DC 1~5V	Less than 600Q
DC 1~5V DC 0~10V	More than 2,5KΩ More than 5KΩ

ORDERING CODE



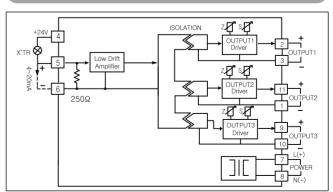
2 . AC 220V

DIMENSION



BLOCK DIAGRAM

1 . AC 110V



2 OUTPUT POWER DISTRIBUTOR WITH SQUARE ROOT EXTRACTOR

2出力 傳送器用 電源 開平演算器(√)



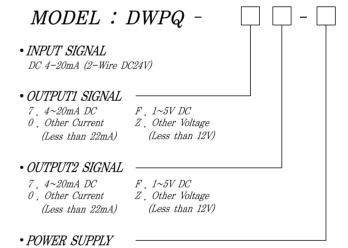
This instrument is a high accurate converter that provides all transmitters such as pressure transmitter, a flow transmitter, and a level transmitter with power supply and signal conversion. Also, It contains a protection circuit for over current and over voltage inside.

It has a calculating function linear compensated the root scale of current output according to the flow characteristic.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
OUTPUT RATING SUPPLY TO X'TR	DC 24V 30mA Max, Riffle : less than 0.1Vp-p
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.3% Max.
TEMP, COEFFICIENT	±0,015% / C
RESPONSE TIME	Less than 0.5Sec (0~90%)
INSULATION RESISTANCE	Greater than 100MQ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V I Minute Input1 - Output2 AC 1,000V
POWER SUPPLY	AC 85 ~ 264V, 50~60Hz 7VA DC 24V ± 10% 130mA
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
CASE MATERIAL	ABS
COLOR	Black
WEIGHT	About 200g
DIMENSION	W50 X H80 X D137mm
MOUNTING	DIN RAIL

ORDERING CODE

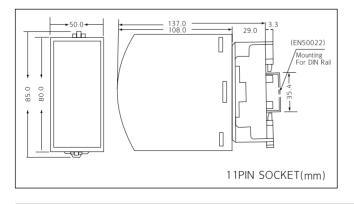


2 . DC 24V

■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

DIMENSION



BLOCK DIAGRAM

1 . AC 85V~264V

